

FORM PTQ-1390  
OFFICE  
(REV. 11-2000)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK

ATTORNEY'S DOCKET NUMBER  
32860-000784/US

U.S. APPLICATION NO. (if known, see PCT Art. 1.5)

10/508405  
NEW APPLICATION

EXPRESS MAIL LABEL NO.

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

INTERNATIONAL APPLICATION NO.

PCT/DE03/00818

INTERNATIONAL FILING DATE

March 13, 2003

PRIORITY DATE CLAIMED

March 21, 2002

## TITLE OF INVENTION

COMPUTER TOMOGRAPH COMPRISING ENERGY DISCRIMINATING DETECTORS

## APPLICANT(S) FOR DO/EO/US

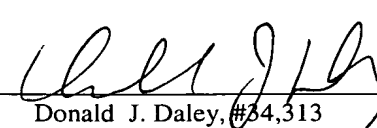
Björn HEISMANN and Thomas VON DER HAAR

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39 (1).
4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☒ is transmitted herewith (required only if not transmitted by the International Bureau). WO 03/079903 A1
  - b. ☒ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is transmitted herewith.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4)
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 20. below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98-1449, International/Search Report (PCT/ISA/210) in English, International Preliminary Examination Report (PCT/IPEA/409 and PCT/IPEA/416), PTO Form 1449 w/ Eleven (11) references and German Translation Aid.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A **FIRST** preliminary amendment.
14. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
15. ☒ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information:
  - 1) Three (3) sheets of Formal Drawings
  - 2) Letter w/ Correct Version of Incorrectly Published PCT Application

U.S. APPLICATION NO. 10/508,405		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER			
NEW APPLICATION		PCT/DE03/00818		32860-000784/US			
21. <input checked="" type="checkbox"/> The following fees are submitted: <b>BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5):</b> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO. . . . . \$1,080.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO . . . . \$920.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO. . . . . \$770.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) . . . . . \$730.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4). . . . . \$100.00 <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				CALCULATIONS		PTO USE ONLY	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 Months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	920.00		
CLAIMS		NUMBER FILED	NUMBER EXTRA	RATE			
Total Claims		19 - 20 =	0	X \$18.00	\$	0.00	
Independent Claims		3 - 3 =	0	X \$86.00	\$	0.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$290.00	\$	0.00	
TOTAL OF ABOVE CALCULATIONS =					\$	920.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.					\$	0.00	
SUBTOTAL =					\$	920.00	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 Months from the earliest claimed priority date (37 CFR 1.492(f)).					\$	0.00	
TOTAL NATIONAL FEE =					\$	920.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +					\$	40.00	
TOTAL FEES ENCLOSED =					\$	960.00	
					Amount to be:		
					refunded		\$
					charged		\$
a. <input checked="" type="checkbox"/> A check in the amount of \$960.00 to cover the above fees is enclosed.							
b. <input type="checkbox"/> Please charge my Deposit Account. No. 08-0750 in the amount of \$ to cover the above fees. A triplicate copy of this sheet is enclosed.							
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 08-0750.							
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.							
Send all correspondence to: Harness, Dickey & Pierce, P.L.C – Customer No. 30596 Post Office Box 8910 Reston, Virginia 20195							
Date: September 21, 2004				By:  Donald J. Daley, #34,313			
DJD/smk							

10/508405

DT15 Rec'd PCT/PTO 21 SEP 2004

PATENT

Docket No. 32860-000784/US

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant(s): Björn HEISMANN et al.  
Int'l Application No.: PCT/DE03/00818  
Application No.: **NEW APPLICATION**  
Filed: September 21, 2004  
For: **COMPUTER TOMOGRAPH COMPRISING ENERGY  
DISCRIMINATING DETECTORS**

**LETTER**

U.S. Patent and Trademark Office  
220 20<sup>th</sup> Street S.  
Customer Window - Mail Stop PCT  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, VA 22202

September 21, 2004

Sir:

Enclosed is a correct version of pages 4-22, incorrectly published PCT application. The correct version of incorrectly published PCT are incorporated in the included substitute specification.

Respectfully submitted,

HARNESS, DICKEY & PIERCE, P.L.C.

By: \_\_\_\_\_

Donald J. Daley, Reg. No. 34,313

DJD:smk

P.O. Box 8910  
Reston, Virginia 20195  
(703) 668-8000

## IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant(s): Björn HEISMANN et al.  
Int'l Application No.: PCT/DE03/00818  
Application No.: NEW APPLICATION  
Filed: September 21, 2004  
For: COMPUTER TOMOGRAPH COMPRISING ENERGY  
DISCRIMINATING DETECTORS

**LETTER**

U.S. Patent and Trademark Office  
220 20<sup>th</sup> Street S.  
Customer Window - Mail Stop PCT  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, VA 22202

September 21, 2004

Sir:

Amended (in German & English) are attached hereto (which correspond to Article 34 amendments and amendments made to the specification and abstract), as required by 35 U.S.C. § 371(c)(3). The amended sheets are incorporated in the included substitute specification and Preliminary Amendment.

Respectfully submitted,

HARNESS, DICKEY &amp; PIERCE, P.L.C.

By: 

Donald J. Daley, Reg. No. 34,313

DJD:smk

P.O. Box 8910  
Reston, Virginia 20195  
(703) 668-8000